AlSi10Mg

Aluminum-based alloy offering dynamic properties suits a wide range of industrial applications

Key Features:

> Build parts offers excellent mechanical properties, such as hardness and tensile strength
> Outstanding corrosion resistance
> Good thermal and electrical conductivity
> High dynamic toughness

Example Applications:

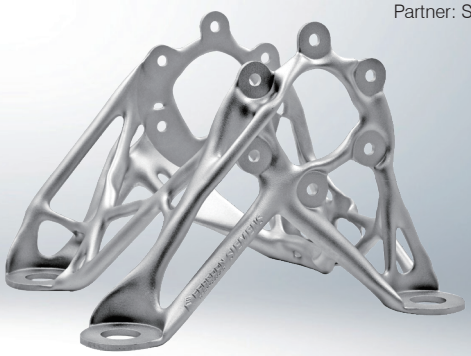
> Functional parts in automotive industries
> Light weight structural geometries for aerospace
> Thermal applications such as heat exchangers
> Robotics & engineering

[Technical Data]

General Properties	**Density** ISO3369	≥2.65 g/cm³
Mechanical Properties (As built)	**Tensile Strength** ISO6892-1	≥430 MPa
	Yield Strength ISO6892-1	≥250 MPa
	Elongation after Fracture ISO6892-1	≥5 %
	Vickers hardness ISO6507-1	≥120 HV5/15
Mechanical Properties [1] (Heat treated)	**Tensile Strength** ISO6892-1	≥300 MPa
	Yield Strength ISO6892-1	≥200 MPa
	Elongation after Fracture ISO6892-1	≥10 %
	Vickers hardness ISO6507-1	≥70 HV5/15

1 For more information on heat treatment process, please contact us directly.
Farsoon systems are open material platform. For special materials such as tungsten, tantalum and pure copper, please contact us with your inquiries or requirements.

Autonomous Underwater Vehicle (AUV) Chiller
System: FS301M-2



Gearbox Mount of Formula Race Car
System: FS301M-2
Partner: Siemens

www.farsoon.com

AMEA Farsoon Technologies Co., Ltd. | +86.731.8397.6198 | globalinfo@farsoon.com | No. 181 Linyu Road, Changsha National High-Tech Industrial Zone, Hunan, China
AMERICAS Farsoon Americas CORP. | +1 512-551-9901 | info@farsoonam.com | 3161 Eagles Nest Street, Suite 350, Round Rock, TX 78665
EUROPE Farsoon Europe GmbH | +49 711 13796 0 | wehelpyou@farsoon-eu.com | Liebknechtstrasse 33, 70565 Stuttgart, Germany